

AMENDMENTS TO THE CLAIMS:

Claim 1-26 (previously canceled)

Claims 27-32 and 38 (cancelled)

33 (currently amended). A reactive system comprising, an oil, water and surfactant forming a hydrophobic emulsion micelle having a liquid membrane formed from a food-grade vegetable oil, said emulsion further including zero-valent metal particle reactants contained within said emulsion micelle.

34 (previously presented). The reactive system of claim 33, wherein said zero-valent metal particle reactants are zero-valent iron particles.

35 (currently amended). The reactive system of claim 33, wherein said hydrophobic emulsion includes a surfactant selected from the group consisting of sodium sulfocccinate, sorbitan 'sesquioleate, sorbitan monooleate, sorbitan trioleate, sodium dodecylbenzene sulfonate, sodium naphthalene sulfonate, sodium lauryl sulfate, sorbitan monostearate, polyoxyethylene-sorbitan monostearate, polyoxyethylene-sorbitan tristearate, polyoxyethylene-sorbitan monooleate and polyoxyethylene-sorbitan trioleate.

36 (currently amended). The reactive system of claim 33, wherein said hydrophobic emulsion includes a food-grade surfactant.

37 (currently amended).        The reactive system of claim 33, wherein said emulsion micelle membrane is formed from a food-grade vegetable corn oil.